Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/02/2018 09:28 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/26/2018 11:27 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 62096, Expiration Date: 07/31/2018
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125250	0	1.64	125080	1.58
Blue	F	SSC	125000	124127	-1	4.14	124600	3.88
Blue	E	FITC	23158	22330	-4	2.80	1039	10.83
Blue	D	PE	31171	30166	-4	2.38	1146	10.19
Blue	B	PerCP-Cy5-5	59762	58950	-2	4.30	1493	17.87
Blue	A	PE-Cy7	57533	57364	-1	6.70	749	38.39
Red	C	APC	69353	68862	-1	2.64	3478	9.24
Red	A	APC-Cy7	66644	65439	-2	3.68	1168	11.40
Violet	B	V450	16327	15937	-3	3.30	864	9.19
Violet	A	V500	62036	60831	-2	2.81	2867	6.31

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22319	2.86	609	-7	N/A	N/A	Pass
Blue	F	SSC	57043	1.31	557	-1	N/A	N/A	Pass
Blue	E	FITC	116	41.08	550	-5	0.0200	181	Pass
Blue	D	PE	194	37.60	553	-4	0.1471	235	Pass
Blue	B	PerCP-Cy5-5	243	47.13	645	-4	0.0088	90	Pass
Blue	A	PE-Cy7	132	96.21	704	-5	0.0104	13	Pass
Red	C	APC	500	24.47	604	-6	0.0188	8	Pass
Red	A	APC-Cy7	250	26.25	577	-10	0.0041	334	Pass
Violet	B	V450	106	44.34	482	-10	0.0395	2069	Pass
Violet	A	V500	253	22.09	501	-10	0.0116	494	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.89	-31.35	0.99
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.41
Red	17.85	13.60 - 20.40	N/A	N/A	31.05	31.61	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 14560

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments